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BY: Eva RedeiDATE: March 17, 2004

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|             |                                                                                               |                          |
|-------------|-----------------------------------------------------------------------------------------------|--------------------------|
| In re:      | Patent Application of Redei et al                                                             | : Group Art Unit: 1632   |
| Appln. No.: | 10/023,335                                                                                    | : Examiner: Q. Janice Li |
| Filed:      | December 17, 2001                                                                             | : Attorney Docket        |
| For:        | Compositions and Methods Useful for Treatment of Depressive Disorder Based on an Animal Model | : No. 053662-5002-01     |

**DECLARATION OF EVA REDEI PURSUANT TO 37 C.F.R. § 1.132**

I hereby declare as follows:

1. I am the same Eva Redei who is a co-inventor of the invention described and claimed in the above-identified application.
2. Since filing this application, I and others, using the invention as described in the present application at the time of filing, have reproducibly bred WLI substrains from matings between WKY rats out to the F10 generation. WLI parents having the lowest immobility scores and highest climbing scores were selected for breeding. The F1 progeny of these matings were housed by sex and by litter throughout the experiments. In subsequent generations, 2-4 breeding pairs having the most extreme FST scores were selected, and sibling matings were avoided through the F5 generation.
3. WLI substrains of the invention have FST scores of lower than about 6, particularly when the WLI substrains were of the F2 generation or later. Figure 1 of this Declaration demonstrates FST scores of below 6 for F9 and F10 generation populations of WLI substrain rats. In particular, Figure 1 of the Declaration demonstrates an FST score of about 4 for F9 generation rats and an FST score of about 5 for F10 generation rats.

4. Other data in addition to Figure 1 indicate that WLI rats in generations as low as F2 have exhibited FST scores below 4. Also, groups of animals, for example, WLI males in the F5 generation, have exhibited FST scores of  $3 \pm 0.516$ .

5. A WKY rat with an FST score of lower than about 6, as demonstrated herein, does not exist in nature.

6. I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

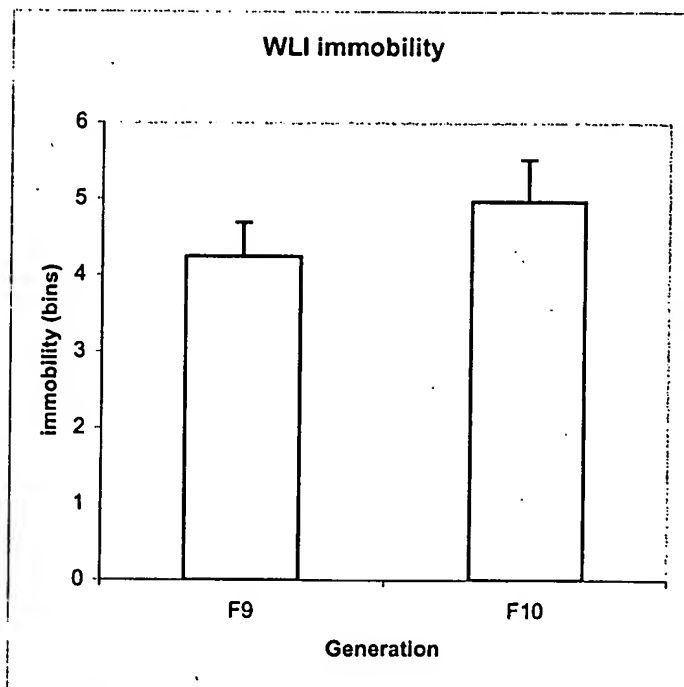
Date: 3/12/2004

Eva Redei

Eva Redei, Ph.D.



**F9: N=20 females;16 males; F10: N=17 females; 12 males**



**Figure 1.**